

FIGURE 1

M	W	V	P	S	R	R	H	L	C	L	T	F	L	L	V	C					
CT	CGA	GCC	ATG	TGG	GTC	CCC	AGC	CGC	CGC	CAC	CTC	TGT	CTG	ACC	TTC	CTG	CTA	GTC	TGT	17	
V	L	A	A	I	F	F	L	N	V	Y	Q	D	L	F	Y	S	G	L	D	59	
GTG	TTA	GCA	GCA	ATT	TTC	TTC	CTG	AAC	GTC	TAT	CAA	GAC	CTG	TTT	TAC	AGT	GCC	TTA	GAC	37	
L	L	A	L	C	P	D	H	N	V	V	S	S	P	V	A	I	F	C	L	119	
CTG	CTG	GCC	CTG	TGT	CCA	GAC	CAT	AAC	GTG	GTA	TCA	TCT	CCC	GTG	GCC	ATA	TTC	TGC	CTG	57	
A	G	T	P	V	H	P	N	A	S	D	S	C	P	K	H	P	A	S	F	179	
GCG	GCC	ACG	CGG	GTA	CAC	CCC	AAC	GCC	TCC	GAT	TCC	TGT	CCC	AAG	CAT	CCT	GCC	TCC	TTT	77	
S	G	T	W	T	I	Y	P	D	G	R	F	G	N	Q	H	G	Q	Y	A	239	
TCC	GGG	ACC	TGG	ACT	ATT	TAC	CCG	GAT	GGC	CGG	TTT	GGG	AAC	CAG	ATG	GGA	CAG	TAT	GCC	97	
T	L	L	A	L	A	Q	L	N	G	R	Q	A	F	I	Q	P	A	M	H	299	
ACG	CTG	CTG	GCC	CTG	GGG	CAG	CTC	AAC	GCC	CGC	CAG	GCC	TTC	ATC	CAG	CCT	GCC	ATG	CAC	117	
A	V	L	A	P	V	F	R	I	T	L	P	V	L	A	P	E	V	D	R	359	
GCC	GTC	CTG	GCC	CCC	GTG	TTC	CGC	ATC	ACG	CTG	CCT	GTC	CTG	GGG	CCC	GAG	GTA	GAC	AGG	137	
H	A	P	W	R	E	L	E	L	H	D	W	M	S	E	D	Y	R	H	L	419	
CAC	GCT	CCT	TGG	CGG	GAG	CTG	GAG	CTT	CAC	GAC	TGG	ATG	TCC	GAG	GAT	TAT	GCC	CAC	TTA	157	
K	E	P	W	L	K	L	T	G	F	P	C	S	W	T	F	F	H	R	L	479	
AAG	GAG	CCC	TGG	CTG	AAG	GTC	ACC	GCC	TTC	CCC	TGC	TCC	TGG	ACC	TTC	TTC	CAC	CAC	CTG	177	
R	E	Q	I	R	S	E	F	T	L	H	D	H	L	R	Q	E	A	Q	G	539	
CGG	GAG	CAG	ATC	CGC	AGC	GAG	TTC	ACC	CTG	CAC	GAC	CAC	CAC	CTT	CGG	CAA	GAG	GCC	CAG	GGG	197
V	L	S	Q	F	R	L	P	R	T	G	D	R	P	S	T	F	V	G	V	217	
GTA	CTG	AGT	CAG	TTC	CGT	CTA	CCC	CGC	ACA	GGG	GAC	CGC	CCC	AGC	ACC	TTC	GTG	GGG	GTC	659	
H	V	R	R	G	D	Y	L	R	V	M	P	K	R	W	K	G	V	V	G	237	
CAC	GTG	GCG	CGC	GGG	GAC	TAT	CTG	CGT	GTG	ATG	CCC	AAG	GGC	TGG	AAG	GGG	GTG	GTG	GGT	719	
D	G	A	Y	L	Q	Q	A	M	D	W	F	R	A	R	Y	E	A	P	V	257	
GAC	GGC	CGT	TAC	CTC	CAG	CAG	GCT	ATG	GAC	TGG	TTC	CGG	GCC	CGA	TAC	GAA	GCC	CCC	GTC	779	
F	V	V	T	S	N	G	H	E	W	C	R	R	N	I	D	T	S	R	G	277	
TTT	GTG	GTC	ACC	AGC	AAC	GGC	ATG	GAG	TGG	TGC	CGG	AAG	AAC	ATC	GAC	ACC	TCC	CGG	GGG	839	
D	V	I	F	A	G	D	G	R	E	A	A	P	A	R	D	F	A	L	L	297	
GAC	GTG	ATC	TIT	GCT	GGC	GAT	GGG	CGG	GAG	GCC	GCG	CCC	GCC	AGG	GAC	TTT	GCG	CTG	CTG	899	
V	Q	C	N	H	T	I	M	T	I	G	T	F	G	F	W	A	A	Y	L	317	
GTG	CGG	TGC	AAC	CAC	ACC	ATC	ATG	ACC	ATT	GGC	ACC	TTC	GGC	TTC	TGG	GCC	GCC	TAC	CTG	959	
A	G	G	O	T	I	Y	L	A	N	F	T	L	P	T	S	S	F	L	K	337	
GCT	GGT	GGG	GAT	ACC	ATC	TAC	TTG	GCT	AAC	TTC	ACC	CTG	CCC	ACT	TCC	AGC	TTC	CTG	AAG	1019	
I	F	K	P	E	A	A	F	L	P	E	W	V	G	I	N	A	D	L	S	357	
ATC	TTT	AAA	CCC	GGG	GCT	GCC	TTC	CTG	CCC	GAG	TGG	GTG	GGC	ATT	AAT	GCA	GAC	TTG	TCT	1079	
P	L	Q	M	L	A	G	P	*												363	
CCA	CTC	CAG	ATG	TTG	GCT	GGG	CCT	TGA	ACC	AGC	CAG	GAG	CCT	TTC	TGG	AAT	AGC	CTC	GGT	1139	
CAA	CCC	AGG	GCC	AGC	GTC	GGT	CTC	CGG	AAG	CCC	GAG	TAA	CTT	CGG	GAG	ATG	CTG	GTG	1199		
GTC	CTG	TAG	CAG	GCT	GGG	CAC	TAA	TTT	CAA	GAG	TGA	TTC	TAA	TTG	GCT	GGG	CTC	AGA	GGA	1259	
AAC	CCT	GCA	G																	1269	